

[A LCD LIGHTING CONTROL SYSTEM]

Abstract

A LCD lighting control system comprises a lamp, a self-oscillation inverter, a sampling-frequency generating circuit, a detecting-feedback circuit, a modulator and a buck circuit. The LCD lighting control system samples at the preset sampling location in the self-oscillation inverter or the preset sampling location between the self-oscillation inverter and the buck circuit to synchronize the control signal from the modulator and the self-oscillation frequency, to suppress high-voltage ripple effect, and to enhance stability of the system.